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Exhibit B
DEC 19 2002
TECHNOLOGY CENTER 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Thomas M. Colandene)
Serial No.: 09/888,509) Examiner J. Martinez
Filed: June 26, 2001) Art Unit 2873
Title: OFF-FOCAL PLANE MICRO-OPTICS)

RULE 111 AMENDMENT

CLEAN FORM OF REWRITTEN CLAIMS 1 AND 5

PER 37 C.F.R. SEC. 1.121(c)

Sub B1 9/2
1. (Amended) An apparatus for providing a micro-optic function within an optical system comprising:

a focal plane array (FPA) having a detector surface, wherein input radiation from a viewed scene is received by the optical system; and,

a substrate with a front side and a back side, said back side further including at least one microlens attached thereto, said substrate being positioned approximate to the focal plane within said optical system, wherein said microlens re-focuses said radiation and re-directs said radiation onto said detector surface.

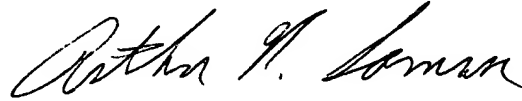
Q3 Sub B3
4. (Amended) A micro-optic technique for a substrate within an optical system having a focal plane array (FPA) detector surface, comprising the steps of:

receiving incident radiation from a viewed scene through an optical assembly;
providing a substrate having a front side and a back side on the optical axis in proximity to the focal plane within said optical assembly;
attaching at least one micro-optic on the substrate to said back side; and,

Sub B3 re-focusing said radiation onto said detector surface with said micro-optic, after said radiation has passed through said substrate, to establish a micro-optic effect from the substrate at said FPA detector surface.

Dated: December 10, 2002.

Respectfully submitted,



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